

The Sydney Morning Herald

WEDNESDAY, JUNE 6, 1860.

PRICE THREEPENCE.

NO. 6863.—VOL. XL.

BIRTHS.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

MARRIAGES.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

DEATHS.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

SHIP ADVERTISEMENTS.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

PERSONS ADVERTISED FOR.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

WANTED.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

FOR SALE.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

TO LET.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

NOTICE.

On the 31st May, at Mount Richmond, Queensland, Mrs. William B. HARRISON, of a son.

ADVERTISEMENTS.

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THE PANAMA SERVICE POSSIBLE.
To the Editor of the Herald.

On my return from England by last mail I observed an article in your paper relating to Mr. Rowan's improved marine steam-cylinders. The subject of the improvement is of great importance, viz., the economy of fuel, that I had to give you further particulars, which will no doubt be acceptable to many of your readers, and which I am now in a position to supply, having been appointed by Mr. Rowan a agent for these colonies.

The improvements are threefold—embracing the boiler, the surface condenser, and the central agitator.

The object is to produce a motive power which will consume weight, space, and fuel, combined with discharges of steam cool and clear, and safety from the risk of explosion to all who read these things peculiarly suitable for all marine purposes on long voyages.

The boiler is constructed with water spaces formed of cylindrical tubes or cylinders, again subdivided by horizontal partitions into cells proper, again subdivided by vertical partitions into cells proper, and so on. The heated gases from the furnaces are made to circulate round these cells, and also to pass through the tubes, thereby increasing the surface of the boiler, at the same time so diminishing the size of the several portions of the boiler that explosion even from an undue pressure of steam becomes almost impossible; and preventing any accident from the risk of considerable damage either to the boiler or attendant upon its failure. The heated gases thereafter surround the steam chests, which are also subdivided by increased length.

Owing to the large amount of heating surface, in proportion to fire-grate surface, the water's effective heat is not only saved from the boiler, but from the slow rate at which combustion is carried on, the size of the boilers is considerably diminished, and the nuisance of smoke almost entirely obviated.

2. To render these heated water spaces, which are necessary, an improved surface or tubular condenser is employed. Surface condensers are not new, but from the three causes above mentioned, the surface condenser is improved by a very simple arrangement, which is to place the condenser at the bottom of the condenser chest, and perforated on the top, air is pumped, which in its passage upwards through the condenser, agitates it, and so it remains entire, and carries along with it any deposit which could otherwise remain in the chest. In addition a fan or central agitator is used farther to circulate the water, and to apply the surface condenser, thereby increasing the condensing effect of the tubes, and maintaining a uniform temperature of the water, and thus preventing any of the tubes becoming overheated, and of any scale or deposit forming on the tubes.

3. The last improvement relates to the construction or arrangement of the engine itself, whereby is obtained the complete lack of a combustion and pressure region, which has hardly any more working parts than a compound condensing engine; and this is effected by combining one high-pressure with two low-pressure cylinders, and connecting the rods of all the cylinders by a common cross-head, thus involving only one connecting rod, one valve motion, and one set of cranks for each engine. The high-pressure cylinder is first admitted to the central or low-pressure cylinder; and after forcing a certain quantity of steam force on that piston, it passes to the opposite ends of the low-pressure cylinder, through one valve which is common to both.

The above principles are explained at full length in the specifications, and illustrated by numerous drawings, in my possession, and which shall be happy to exhibit to any one who may be desirous of seeing them.

Ample evidence can be adduced to prove that these engines greatly economise fuel, the cost and bulk of which have hitherto been the great obstacle to the increased development of steam power. The consumption of steam in Rowan's engine is only one-third of that required by ordinary engines of equal power.

The practical effects of this discovery embrace—greatly reduced expenditure of fuel, and with very small boilers, involving a saving of labour, and largely increased space available for the conveyance of goods, and also greater safety, owing to the smallness of the portion of the boiler and other parts of the engine, already referred to.

The want of a mail route to England via Panama, making it a fine port the first of arrival and last of departure, has long been a serious drawback to the colonies on this subject both in and out of Parliament is so strong and unanimous that, encouraged by the advantages offered by these improved engines, I am endeavouring to form a company to establish a line of ships, to connect the colonies with this port and Panama via New Zealand, particulars of which will shortly appear in the public prints, and wish which I need not, therefore, occupy your space.

I remain, Sir, your obedient servant.

W. H. ELDRD.

Union Club, Sydney, 5th June, 1860.

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BALMS BY AUCTION.

To Boot and shoe buyers, Stockholders, Drapers, and 47 Trucks, now landing.

On THURSDAY, 7th instant, at half-past 10 o'clock sharp.

MESSRS. CHAS. MOORE AND CO. have received instructions to sell by auction, at their Rooms, Pitt-street, on the above day, 47 trucks of boots and shoes, now landing, at Ballinade.

Terms at sale.

115 Packages of General Drapery Goods, Shirts, &c.

To Warehousemen, Outfitters, Drapers, Stockholders, Dealers, and the Trade.

On THURSDAY the 7th, at 11 o'clock, (immediately after the Boots and Shoes), and on FRIDAY the 8th, at 11 o'clock.

MESSRS. CHAS. MOORE AND CO. have received instructions to sell by auction, at their Rooms, Pitt-street, on the above day, 115 packages of general drapery goods, shirts, &c., now landing, at Ballinade and Waterloo.

Terms at sale.

Superior Perfumery. Without any Reserve.

8 cases, Just Landed, at Ballinade.

To Druggists, Perfumers, Fancyware Dealers, Country Buyers, and others.

On FRIDAY, 8th instant, at 2 o'clock.

MESSRS. CHAS. MOORE AND CO. have received instructions to sell by auction, at their Rooms, Pitt-street, on the above day, 8 cases of the finest perfumery ever imported, comprising—

Jockey Club

Franklin

Perfume

Perfume

Perfume

Perfume

Perfume

Perfume

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Perfume

Perfume

Perfume

Perfume

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PINK AND FOTHERINGHAM.

On account of whom it may concern.

PINK AND FOTHERINGHAM will sell by auction, at their Rooms, 309, George-street, 30 bags Patna rice, each about 14 cwt.

Cover 15 cwt. 21 cases Hyacinth, each 2 dozen.

On account of whom it may concern.

For Auction Sale, WEDNESDAY next, the 6th instant.

Important to Grocers, Storekeepers, Country Buyers, and others.

PINK AND FOTHERINGHAM have received instructions to sell by auction, at their Rooms, 309, George-street, 30 bags Patna rice, each about 14 cwt.

C in diamond over T. H.

The above are all at the rooms of the auctioneers, where samples can be obtained.

Gondola Cheese.

For Positive Sale, Without reserve.

PINK AND FOTHERINGHAM have received instructions from the Importers to sell by auction, at their Rooms, 309, George-street, THIS DAY, the 6th instant, at 11 o'clock precisely, 300 Gondola cheese.

Terms at sale.

Water Casks.

To Cooper, Ship Owners, and others.

FRITH AND PAYTEN will sell, at the Circular Quay, THIS DAY, the 6th, at half-past 10 o'clock.

120 water casks, in good condition.

25 water casks, in good condition.

Terms at sale.

FRITH AND PAYTEN will sell by auction, at their Rooms, THIS DAY, Wednesday, 6th June, at 11 o'clock.

10 cases carbonate magnesia, each 1 cwt.

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WEDNESDAY, 6th June.

L. E. THRELKELD AND CO. will sell by auction, at the City Mart, THIS DAY, at 11 o'clock.

50 chests hyacinth in tea

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